

## A HARDWARE SUPPORT SYSTEM FOR ACCELERATED DISK I/O

### ABSTRACT OF THE DISCLOSURE

5 A hardware support system for implementing accelerated disk I/O for a  
computer system. The system includes a bus interface for interfacing with a  
processor and a system memory of the computer system, a disk I/O engine  
coupled to the bus interface, and a device interface coupled to the disk I/O  
engine for interfacing the disk I/O engine with a disk drive. The disk I/O  
engine is configured to cause a start up of the disk drive upon receiving a disk  
10 start up command from the processor. The disk I/O engine is further  
configured to execute a disk transaction by processing the disk transaction  
information from a bypass register coupled to the disk I/O engine.